

FILE COPY

RECEIVED

APR 12 2023

OFFICE OF
WATER

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8754-3</u> (office use only) Hydrologic Unit <u>10170101</u>
	Basin <u>Lewis & Clark Lake</u>
	Newspaper <u>see list</u>

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

<input type="checkbox"/> Municipal	<input type="checkbox"/> Water Distribution System	<input type="checkbox"/> Recreational	<input type="checkbox"/> Institutional
<input checked="" type="checkbox"/> Rural Water System	<input type="checkbox"/> Commercial	<input type="checkbox"/> Fish & Wildlife	<input type="checkbox"/> Geothermal
<input type="checkbox"/> Domestic (over 18 gpm)	<input type="checkbox"/> Industrial	<input type="checkbox"/> Other _____	

Type of Application: (check one)

<input type="checkbox"/> New	<input type="checkbox"/> Vested Right (Use predates Mar 2, 1955)	<input checked="" type="checkbox"/> Future Use Reservation
<input type="checkbox"/> Place to Beneficial Use Water Reserved by Future Use Permit No. _____		
<input type="checkbox"/> Amendment/Correction to Permit No. _____		

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

1. Name to Appear on Water Permit Lewis & Clark Regional Water System

Mailing Address 46986 Monty Street Tea SD 57064
 (Address) (City) (State) (Zip Code)

Phone 605.368.2400 Mobile _____ Email _____

2. Amount of water claimed ~~100.24~~ *CFS or 19,121 **GPM and 19,121 ***AF or _____ Gallons
 Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply Missouri: Elk Point Aquifer

4. Location of point of diversion See Attachment S1/2 Sec 15, Sec 22-T32N-R4E Nebraska Survey County Clay
 (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☐ No

If "Yes," where will water be used? _____
 (example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Turner, Lincoln, Minnehaha, Union, Lake, Clay, McCook. also see No. 7

6. Annual period during which water is to be used January 1 - December 31

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Water will be reserved to meet the ultimate build out of the 60 MGD base system (a total of 72,563 acre-feet/year including system minor losses) of the Lewis & Clark Regional Water System that serves twenty public water systems in South Dakota (counties of Turner, Lincoln, Minnehaha, Clay, McCook, Union, and Lake), Iowa (counties of Lyon, Sioux, O'Brien, and Osceola), and Minnesota (counties of Rock and Nobles).

I, Troy Larson Executive Director, L&C RWS, the applicant, certify under
 Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

Supplemental Information

(type or print)

1. Well Information

(check one or both as applicable) ☐ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many _____ Have test holes been drilled ☐ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)

b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____

For either Existing or Proposed Wells: [Please refer to the attached information.](#)

c) Well Depth (required) _____ Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____

d) Distance to nearest domestic well on applicant's property _____ Property owned by others _____

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

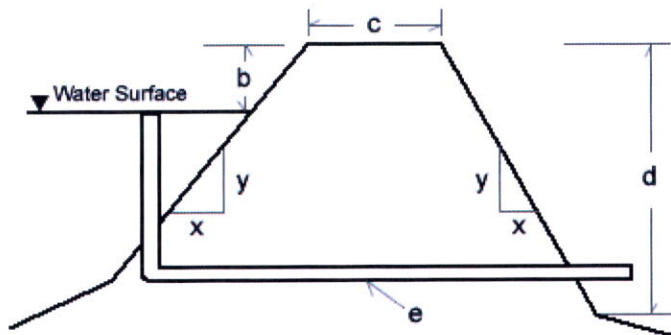
a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:



b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

Upstream _____

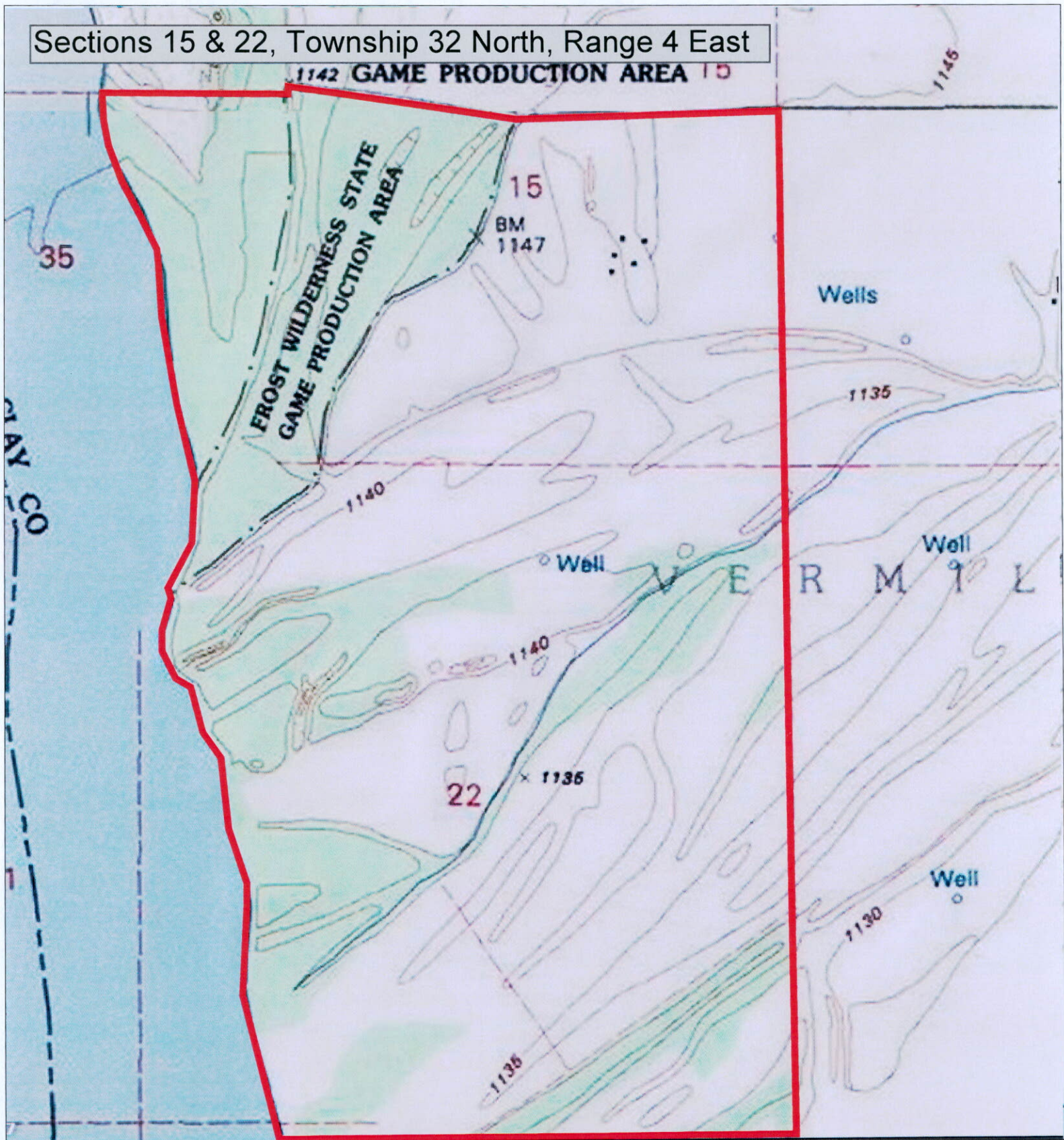
Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

Sections 15 & 22, Township 32 North, Range 4 East



Lewis & Clark Regional Water System

Future Use Area
Clay County, South Dakota

Esri, NASA, NGA, USGS, Nebraska Game & Parks Commission, South Dakota Game Fish and Parks, Esri Canada, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

Figure 1: Lewis & Clark Mulberry Point Well System

